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SONY BRAVIA FW-49BZ35F SETUP MANUAL

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SONY

4-735-249-12(1)

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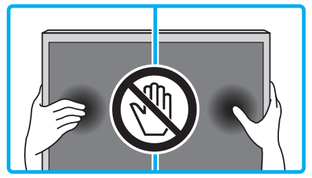
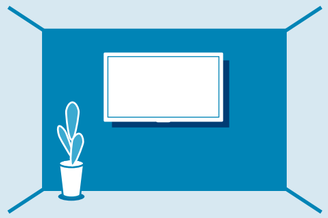
Setup Guide



EN Setup Guide
CS 设定指南
CT 安裝指南
VN Hướng dẫn cài đặt
FR Manuel de configuration
TH คู่มือการตั้งค่า
ID Panduan Penyetelan
ES Guía de configuración
AR دليل الإعداد

BRAVIA

FW-49BZ35F / 43BZ35F



Reference Guide / 參考指南 / 參考指南 / Hướng dẫn Tham khảo / Manuel de référence / คู่มืออ้างอิง / Panduan Referensi / Guía de referencia / دليل مرجعي

* Only on limited region/country/model.
仅针对有限的地区/ 国家/ 型号。
僅限受限區域／國家／型號。
Chỉ có ở khu vực/quốc gia/model giới hạn.
Uniquement pour certaines régions/pays/modèles.
มีเฉพาะในบางภูมิภาค/ประเทศ/รุ่นเท่านั้น
Hanya untuk kawasan/negara/model tertentu.
Solo en algunos países/regiones/modelos.
في مناطق/بلدان/موديلات محددة فقط.

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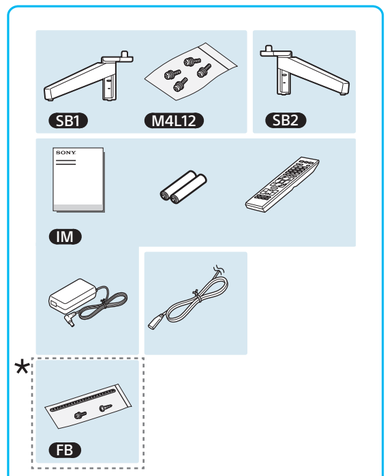

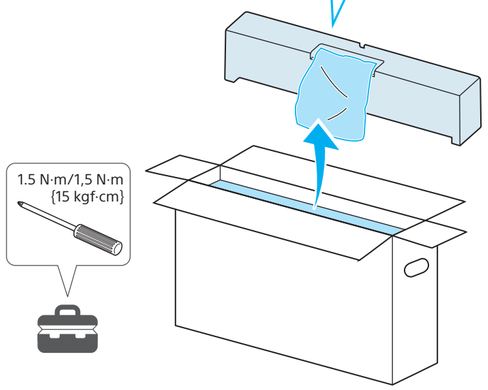

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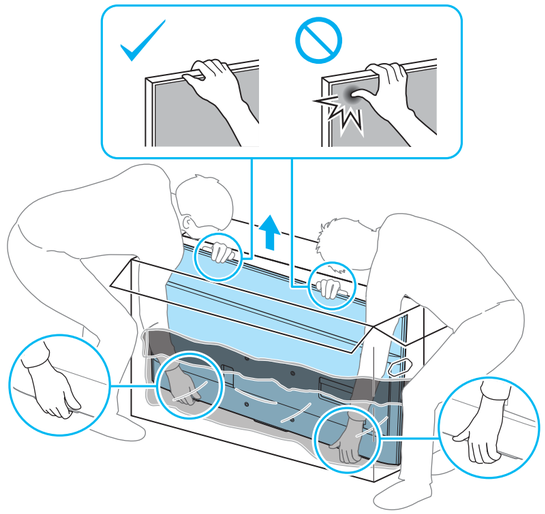

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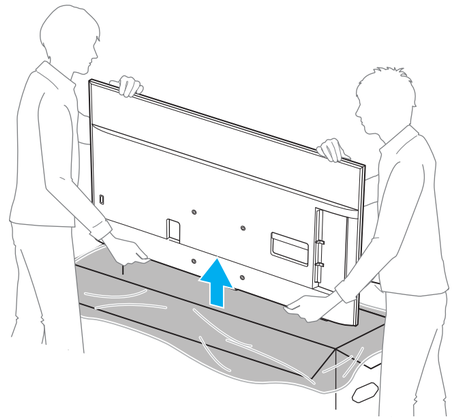

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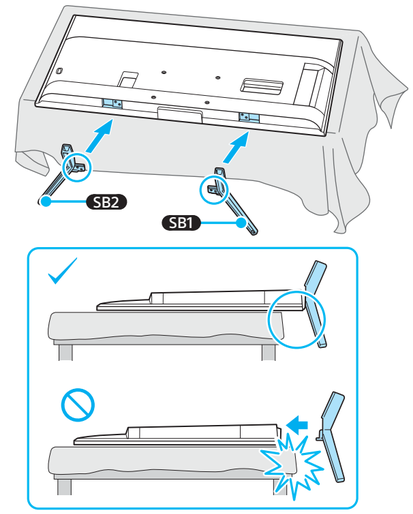

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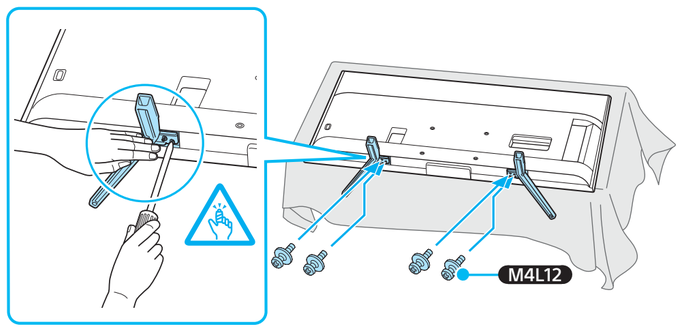

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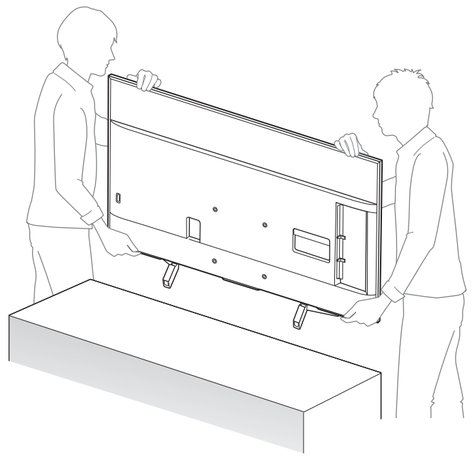

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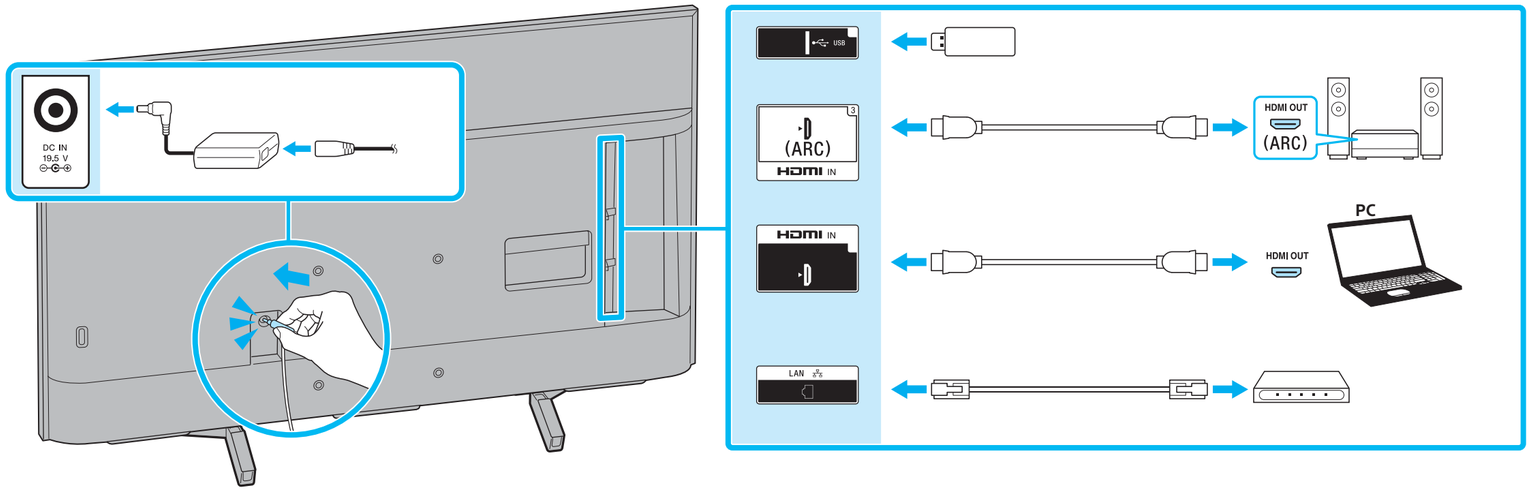

Connections Refer to “Connection Diagram” in the Professional Guide for additional connection information.

连接 请参见专业指南中的“连接示意图”了解更多连接信息。

連接 有關更多連接資訊，請參閱專業指南中的“連接圖”。

Kết nối Tham khảo phần “Sơ đồ Kết nối” trong Hướng dẫn Chuyên nghiệp để biết thêm thông tin kết nối.

Raccordements Reportez-vous au « Schéma de connexion » dans le Guide professionnel pour des informations de raccordement supplémentaires.

การเชื่อมต่อ ดูข้อมูลการเชื่อมต่อเพิ่มเติมได้จากหัวข้อ “แผนภาพการเชื่อมต่อ” ในคู่มือฉบับสมบูรณ์

Sambungan Lihat “Diagram Sambungan” di dalam Panduan Profesional untuk tambahan informasi sambungan.

Conexiones Consulte la sección “Diagrama de conexión” en la Guía profesional para obtener información adicional de conexión.

التوصيلات يرجى الرجوع إلى «مخطط التوصيلات» في دليل التشغيل للحصول على معلومات إضافية حول التوصيلات.

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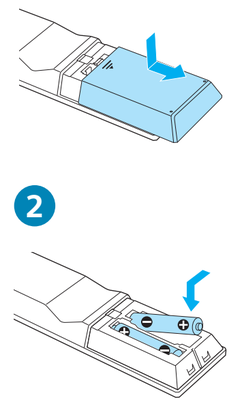

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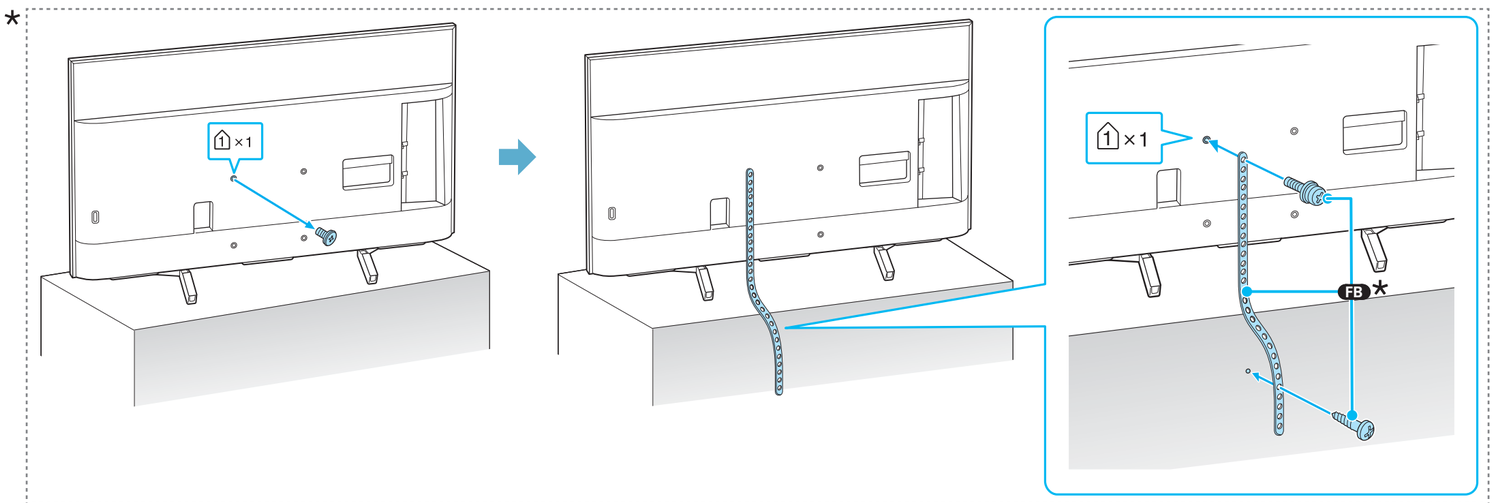

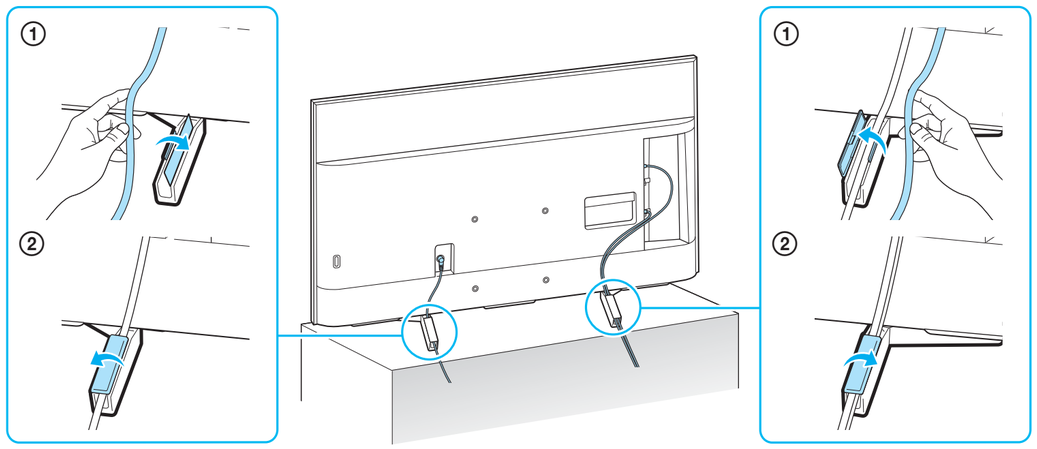

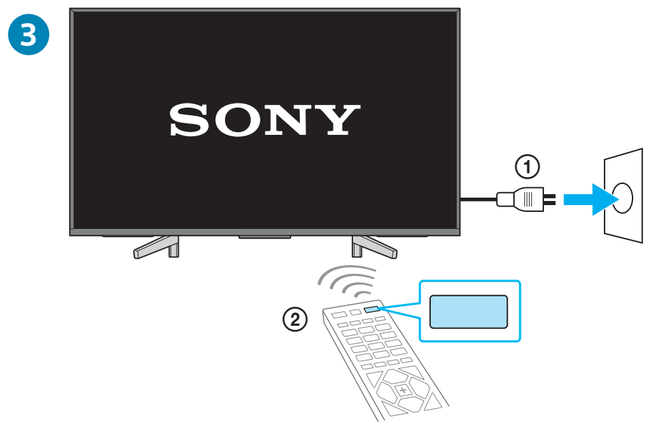

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Help / 幫助 / 說明 / Trợ giúp / Aide / ช่วยเหลือ / Bantuan / Ayuda / المساعدة

SONY

4-734-761-**22**(1)

LCD Display
Écran LCD
Pantalla LCD

Professional Guide (Supplement)	US
Guide professionnel (Supplément)	FR
Guía profesional (Suplemento)	ES

BRAVIA

FW-85BZ35F / 75BZ35F / 65BZ35F / 55BZ35F / 49BZ35F / 43BZ35F

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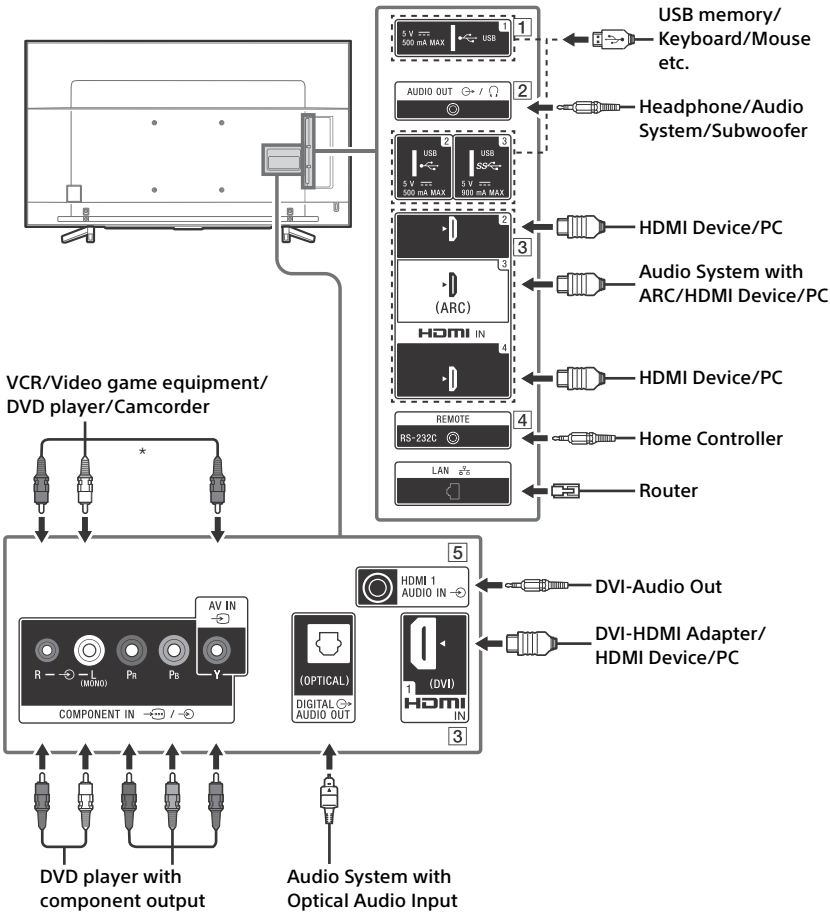
Overview

Introduction

Thank you for purchasing this Sony product. This LCD Display is designed for professional use. It has functions such as [Pro mode], [RS232C control] function, [IP control] function that can be used for professional use. Furthermore, by using optional software, you can add convenient functions. Before operating the LCD Display, please read this manual thoroughly.

US

Connection Diagram



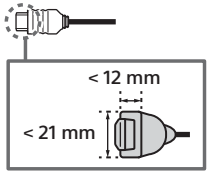
1 USB 1/2, SS USB 3

- Connecting a large USB device may interfere with other connected devices beside it.
- When connecting a large USB device, connect to the USB 1 port.

2 AUDIO OUT

- Supports 3-pole stereo mini jack only.
- To listen to the LCD Display's sound through the connected equipment, press **HOME**. Select [Settings] → [Sound] → [Headphone/Audio out] and then select the desired item.

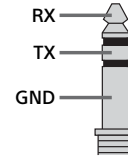
3 HDMI IN 1/2/3/4

- HDMI interface can transfer the digital video and audio on a single cable.
- 

- **HDMI IN 2/3**
  To enjoy high quality 4K 60p contents, connect a Premium High Speed HDMI cable to the HDMI IN 2/3 and set the [HDMI signal format] to [Enhanced format].
  For details of supported formats, refer to the “Specifications” in Reference Guide (page 16 - 18).
- **HDMI IN 3 ARC (Audio Return Channel)**
  Connect your audio system to the HDMI IN 3 to route LCD Display audio to your audio system. An audio system that supports HDMI ARC can send video to the LCD Display, and receive audio from the LCD Display via the same HDMI cable. If your audio system does not support HDMI ARC, an additional connection with DIGITAL AUDIO OUT (OPTICAL) is necessary.

4 REMOTE RS-232C

- Terminal for serial communication. For details, refer to “RS-232C” on the control functions (page 9).



5 HDMI 1 AUDIO IN

- If the device has a DVI jack, connect it to HDMI IN 1 through a DVI - HDMI adapter interface (not supplied), and connect the device's audio out jack to HDMI 1 AUDIO IN.

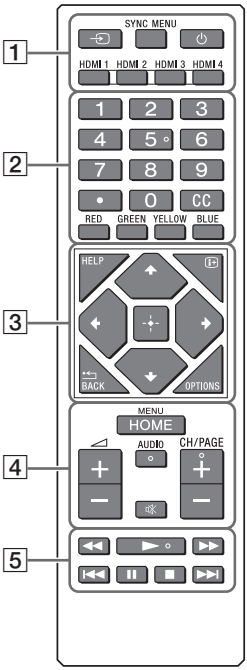
* When connecting mono equipment, connect to the L (MONO) audio jack (socket).

Using Remote Control

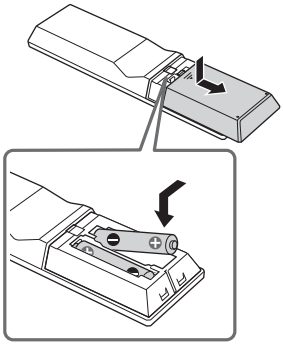
Remote Control Parts Description

The remote control shape, location, availability and function of remote control buttons may vary depending on your region/country/LCD Display model.

US



Slide and open the lid of the battery compartment, then insert two R03 (size AAA) batteries.



1 **(Input select)**
Display and select the input source.

SYNC MENU
Display the BRAVIA Sync Menu.

(LCD Display standby)
Turn on or turn off the LCD Display (standby mode).

HDMI 1/2/3/4
Switch to the HDMI input.

2 **Number buttons**

Use with the 0-9 buttons to select digital channels.

CC
Turn subtitles on or off (when the feature is available).

Color buttons
Execute corresponding function at that time.

3 **HELP**
Display the Help menu. Help Guide can be accessed from here.

(Screen display)
Switch to show/hide the information of the input source, clock, etc.

/BACK
Return to the previous screen.

OPTIONS
Displays a list of functions that can be used at that time.

/ / / / (Navigation D-Pad)
On screen menu navigation and selection.

4 **HOME/MENU**
Display the LCD Display Home Menu.

+/– (Volume)
Adjust the volume.

AUDIO
Change the language for the program currently being viewed.

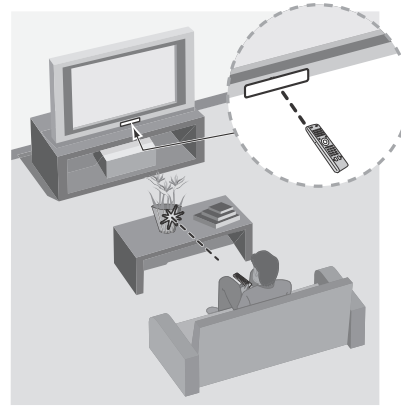
(Muting)
Mute the sound. Press again to restore the sound.

CH/PAGE +/–
Press to change a channel or a page.

5 **◀◀/►/►►/I◀◀/II/■/►►I**
Operate media contents on the LCD Display and connected BRAVIA Sync-compatible device.

Guidelines for IR Remote Control

- Point your remote control directly at the IR sensor located on your LCD Display.
- Make sure that no objects are blocking the path between the remote control and the IR sensor on your LCD Display.



- Fluorescent lamps can interfere with your remote control; try turning off the fluorescent lamps.
- If you are having problems with the remote control, reinsert or replace your batteries and make sure that they are correctly inserted.

Settings

Pro mode

In [Pro mode], you can use various convenient functions for professional use. Here, we introduce how to change to [Pro mode] and typical functions of [Pro mode].

US

Pro mode

Normal mode: This is the default mode. [Pro mode] functions are not available in this mode.
Pro settings mode: This mode allows you to set various settings of [Pro mode] functions.
Pro mode: This is the operation mode for professional use where you can use the [Pro mode] functions.

How to change the mode

When the LCD Display is in Normal mode and Pro settings mode

- Go to [Home] → [Apps] → [Pro mode tool], then select the mode you want to change.

When the LCD Display is in the Pro mode

- Press the activation keys described below on the remote control in order within a one second interval.

After restarting the LCD Display, the mode changes to [Pro settings mode].
Activation key: (Screen display) / (Muting) / +/– (Volume +) / (HOME)

* Initially you cannot change the mode from [Pro mode tool] in [Pro mode]. If you want to change the mode from [Pro mode tool], go to [Pro settings] → [Function restrictions] → [Apps] and change [Pro mode tool] to [Enable] in [Pro settings mode].

Introduction of the Pro mode functions

In [Pro mode], you can use various convenient functions. Typical [Pro mode] functions are introduced below.

– **Setting LCD Display operation when turning the AC power on**
You can set the operation of the LCD Display when unplugging and reinserting the AC power plug.

– **Optimized display of the PC input screen**
The screen displays the PC input screen with optimum size according to the PC format.

– **Power supply control and automatic input switching by HDMI signal detection**
If you turn on the LCD Display when the HDMI device is connected, you can change to the connected HDMI input automatically.

– **Settings of the displaying menu when pressing the HOME button**
You can select the menu displayed when pressing the **HOME** button on the remote control.

– **Initial input source designation when starting the LCD Display**
You can designate the initial input source when starting the LCD Display.

– **Pro mode lock**
You can protect the settings of [Pro mode] by using a PIN.

– **Initial/maximum volume setting**
You can set the initial and maximum volume of the LCD Display.

– **Restriction of the LCD Display operation on the remote control**
You can restrict the LCD Display operation using the remote control.

– **Restriction of external inputs**
You can restrict the use of external inputs.

– **Restriction of using applications**
You can restrict the use of LCD Display applications.

How to set Pro mode functions

Go to [Home] → [Pro settings] or go to [Home] → [Settings] → [Pro settings] when the LCD Display is in [Pro settings mode].*

* Varies depending on the version of the OS.

Recommended settings

This section introduces recommended settings when using the LCD Display for professional use.

Setting ECO features

1 **Go to [Settings] → [Power] → [Eco].**
- Set [Idle TV standby] to [Off].

Setting IP features

2 **Go to [Settings] → [Network] → [Home network] → [IP control].**
- Set [Authentication] to [Normal and Pre-Shared Key].
- Set [Simple IP control] to [On].

Automatic Software Download

3 **Go to [Settings] → [About] → [System software update].**
- Set [Automatic software download] to [Off].

Picture settings

4 **Select the [Inputs] (ex. HDMI 1) whose settings you want to change, then press OPTIONS and select [Display & Sound] → [Picture adjustments].**
- Set [Light sensor] to [Off].
- Select [Picture mode] according to usage.

[Vivid]: When using the digital signage display
[Custom]: When displaying the original image as is
[Graphics]: When displaying the PC screen

Setting values of [Picture mode]

The following is the initial value of each setting item of [Picture mode].

Items	[Picture mode]			
	[Vivid]	[Standard]	[Custom]*	[Graphics]*
[Brightness]	Max.(50)	30	35	35
[Color]	60	60	50	50
[Contrast]	Max.(100)	Max.(100)	90	90

* Since the LCD Display responds faster in [Graphics] mode than it does in [Custom] mode, the LCD Display can display the mouse movement smoothly when operating the PC screen in [Graphics] mode.

Note
Each setting value is subject to change without notice.

Control functions

RS-232C

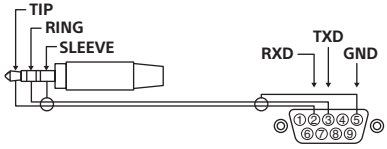
You can control the LCD Display from an external service via RS-232C. The RS-232C connection is briefly explained in this page.

US

Interface

Establish the RS-232C connection to the LCD Display by using a 3.5 mm stereo mini plug.

3.5mm Stereo mini plug



TIP: LCD Display → Controller
RING: Controller → LCD Display

Connection settings

When establishing the RS-232C connection, make connection settings as below.

Baud rate	9,600 bps
Data	8 bit
Parity	None
Start bit	1 bit
Stop bit	1 bit
Flow control	None

Data format

We introduce the data format for the RS-232C communication below.
(a) Requests from the controller to the LCD Display

No.	Item	Value	
1	Header	0x8C	: Control
2	Category	0x00	(fixed)
3	Function	0xXX	
4	Length	0xXX	(=Data X+1 byte)
5	Data 1	0xXX	
:	:	0xXX	
:	:	0xXX	
X+4	Data X	0xXX	
X+5	Check Sum	0xXX	

(b) Responses from the LCD Display to the controller

No.	Item	Value	
1	Header	0x70	Answer
2	Answer*	0x00	Completed (Normal End)
		0x01	: Limit Over (Abnormal End-Exceed maximum value)
		0x02	: Limit Over (Abnormal End-Exceed minimum value)
		0x03	: Command Canceled (Abnormal end)
		0x04	: Parse Error (Data Format Error)
3	Check Sum	0xXX	

Command example

Examples of RS-232C communication command are explained below.

Control	Head	Category	Function	Length	Data 1	Data X	Checksum
Power on/off	0x8C	0x00	0x00	0x02	0x00 (off)	-	0x8E
					0x01 (on)	-	0x8F
HDMI input selection	0x8C	0x00	0x02	0x03	0x04 (HDMI)	0x01 (#1)	0x96
						0x02(#2)	0x97
						0x03(#3)	0x98
						0x04(#4)	0x99

For more details on RS-232C, please contact your sales representative.

IP

You can control the LCD Display via IP from an HTML5/Android application on the LCD Display or on the external device. You can manage and monitor information of input/power, start and terminate applications, control the display such as changing channels and volume. You can also restrict commands by the authentication function.

Supported IP protocol

Protocol name	Layer	Format	Authentication	Explanation
Web API	HTTP	JSON-RPC	Yes	The APIs whose purpose is device control.
IRCCIP	HTTP	SOAP	Yes	Infrared Compatible Control over Internet Protocol. The technology and formats to transmit remote control commands via the Internet.
SSIP	TCP	Byte stream	N/A	Only typical functions are supported.

LCD Display settings

When using [IP control], set the LCD Display as follows first.
Go to [Settings] → [Network] → [Home network] → [IP control].

- Set [Authentication] to [Normal and Pre-Shared Key].
- Set [Pre-Shared Key].

Example of HTTP request and response for Web API

Here is the example of a request and response to acquire the power status to the LCD Display (IP address: 192.168.0.1 Pre-shared Key “1234”).

URL

http://192.168.0.1/sony/system

Request

```
POST /sony/system HTTP/1.1
  Host: 192.168.0.1
  Content-Type: application/json; charset=UTF-8
  Content-Length: 70
  X-Auth-PSK: 1234

  {"method": "getPowerStatus", "params": [], "id": 50, "version": "1.0"}
```

Response

```
HTTP/1.1 200 OK
  Content-Type: application/json; charset=UTF-8
  Content-Length: 44

  {"result": [{"status": "active"}], "id": 50}
```

For more details on [IP control], please contact your sales representative.

Appendix

Extended software

You can use the LCD Display more conveniently by using extended software. This page introduces an example of extended software.
For more details, please contact your sales representative.

Software for office LCD Display

Provides convenient functions for using the LCD Display as an office LCD Display connected to a PC in a conference room or the like.
Function examples:

- Power management/Power supply monitoring functions.
- White board function.
- System linked with the conference room reservation system (Supports the Microsoft Exchange Server reservation table, Gsuite).
- Presentation timer.
- You can change inputs or turn the power on/off without the remote control.

Software for digital signage

When using the LCD Display as a digital signage display, the software provides convenient functions.
Function examples:

- Digital signage distribution management function to multiple LCD Display via the network.
- Easy signage playback function with USB memory.
- Contents and playlist management function.
- Flexible delivery schedule setting by time and day of the week.

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